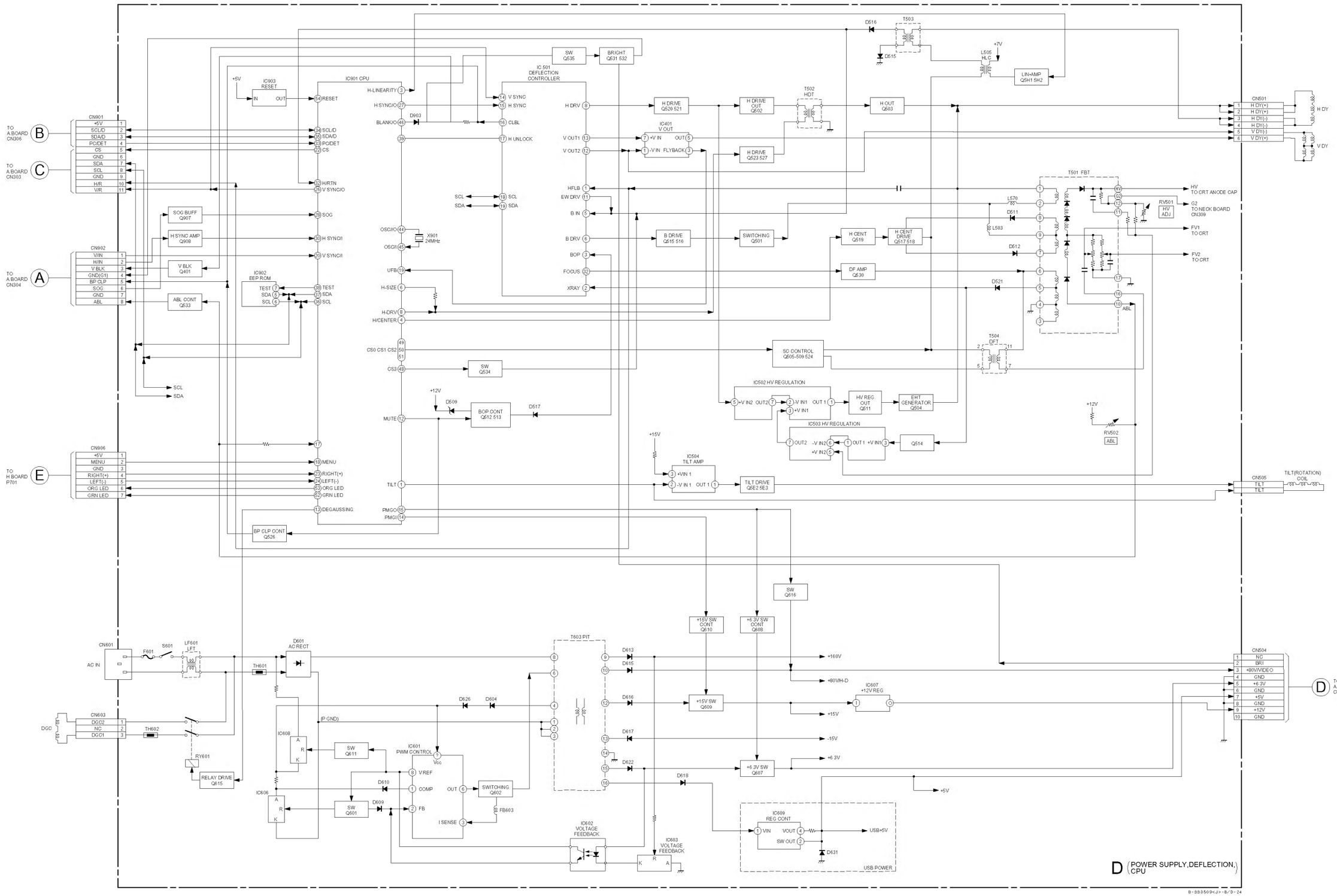
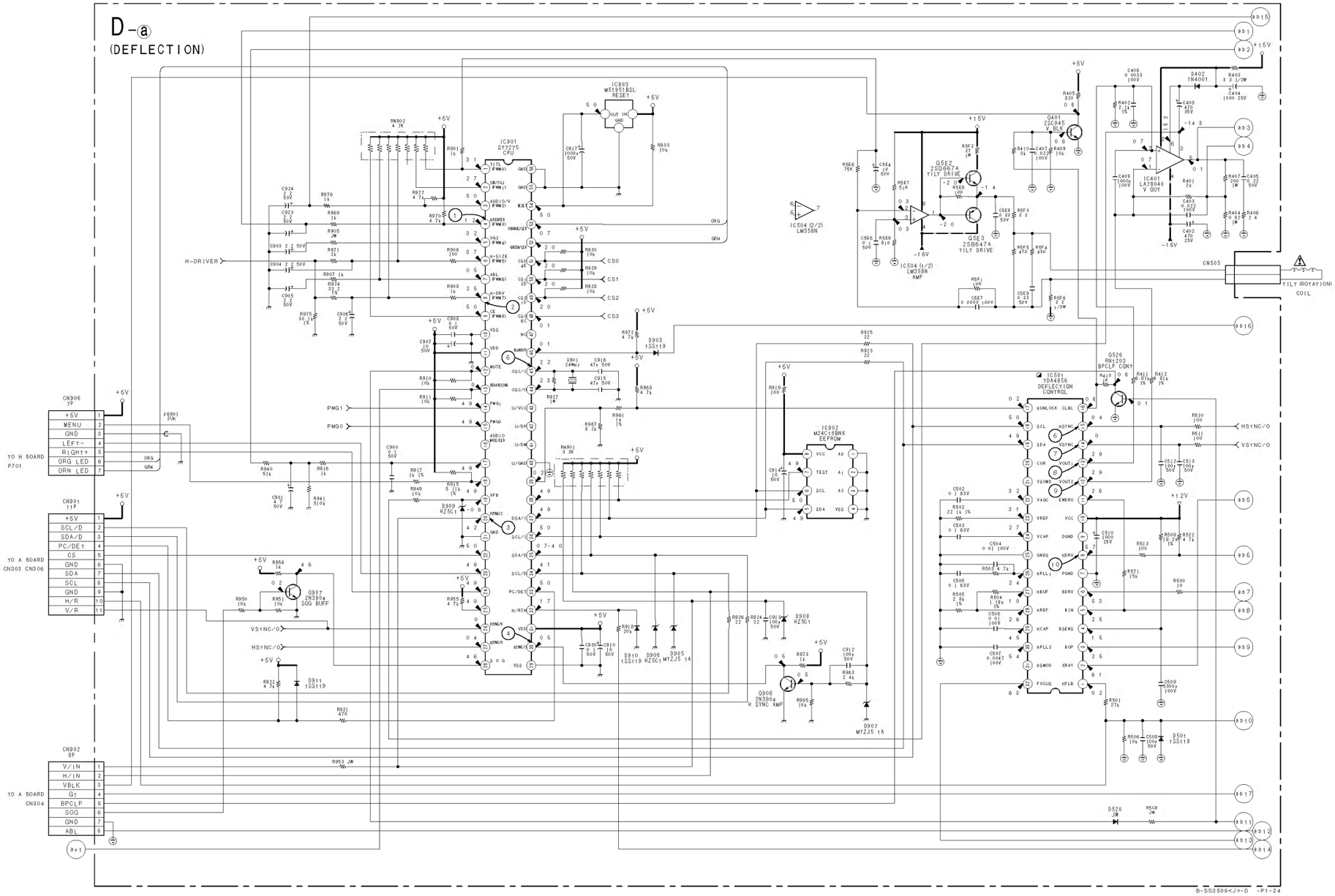

CN901
+5V
SCL/D
SDA/D
PC/DET
CS
GND
SDA
SCL
GND
H/R
V/R
TO A BOARD CN306
TO A BOARD CN303
CN902
V/IN
H/IN
V BLK
GND(G1)
BP CLP
SOG
GND
ABL
TO A BOARD CN304
CN906
+5V
MENU
GND
RIGHT(+)
LEFT(-)
ORG LED
GRN LED
TO H BOARD P701
IC903 RESET
IC901 CPU
RESET
SCL/D
SDA/D
PC/DET
CS
H/RTN
V SYNC/O
SOG
H SYNC/I
V SYNC/I
TEST
SDA
SCL
MENU
RIGHT(+)
LEFT(-)
ORG LED
GRN LED
DEGAUSSING
SOG BUFF Q907
H SYNC AMP Q908
V BLK Q401
ABL CONT Q533
IC902 EEP ROM
BP CLP CONT Q526
H-LINEARITY
H SYNC/O
BLANK/O
D903
OSCI/O
OSCI
X901 24MHz
UFB
H-SIZE
H-DRV
H/CENTER
CS0 CS1 CS2
CS3
MUTE
TILT
PMGO
PMGI
SW Q535
BRIGHT Q531 532
IC 501 DEFLECTION CONTROLLER
V SYNC
H SYNC
CLBL
H UNLOCK
SCL
SDA
SW Q534
BOP CONT Q512 513
D509
D517
+12V
+5V
H DRV
V OUT1
V OUT2
HFLB
EW DRV
B IN
B DRV
BOP
FOCUS
XRAY
H DRIVE OUT Q502
H DRIVE Q520 521
H DRIVE Q523 527
IC401 V OUT
+V IN
-V IN
FLYBACK
B DRIVE Q515 516
SWITCHING Q501
D516
T503
D515
L505 HLC
+7V
LIN+AMP Q5H1 5H2
T502 HDT
H OUT Q503
CN501
H DY(+)
H DY(+)
H DY(-)
H DY(-)
V DY(-)
V DY(+)
H DY
V DY
T501 FBT
HV TO CRT ANODE CAP
G2 TO NECK BOARD CN309
RV501 HV ADJ
FV1 TO CRT
FV2 TO CRT
L570
D511
L503
D512
D521
ABL
H CENT Q519
H CENT DRIVE Q517 518
DF AMP Q530
T504 DFT
SC CONTROL Q505-509 524
IC502 HV REGULATION
+V IN2
-V IN1
+V IN1
OUT2
OUT1
HV REG OUT Q511
EHT GENERATOR Q504
IC503 HV REGULATION
-V IN2
+V IN2
OUT1
+V IN1
Q514
RV502
ABL
IC504 TILT AMP
+VIN 1
-V IN 1
OUT 1
TILT DRIVE Q5E2 5E3
CN505
TILT
TILT
TILT(ROTATION) COIL
SW Q616
+15V SW CONT Q610
+6.3V SW CONT Q608
CN601
AC IN
F601
S601
LF601 LFT
TH601
D601 AC RECT
T603 PIT
D613
D615
D616
D617
D622
+160V
+80V/H-D
+15V
-15V
+6.3V
+15V SW Q609
+6.3V SW Q607
IC607 +12V REG
D626
D604
IP GND
CN603
DGC2
NC
DGC1
DGC
TH602
RY601
RELAY DRIVE Q615
IC608
IC606
SW Q611
SW Q601
IC601 PWM CONTROL
V REF
COMP
FB
I SENSE
Vcc
OUT
SWITCHING Q602
FB603
D610
D609
D618
+5V
IC602 VOLTAGE FEEDBACK
IC603 VOLTAGE FEEDBACK
IC609 REG CONT
VIN
VOUT
SW OUT
USB+5V
D631
USB POWER
CN504
NC
BRI
+80V/VIDEO
GND
+6.3V
GND
+5V
GND
+12V
GND
TO A BOARD CN305
D (POWER SUPPLY,DEFLECTION,CPU)
8-883509<1>-B/D-24

D
(USB CONTROL)

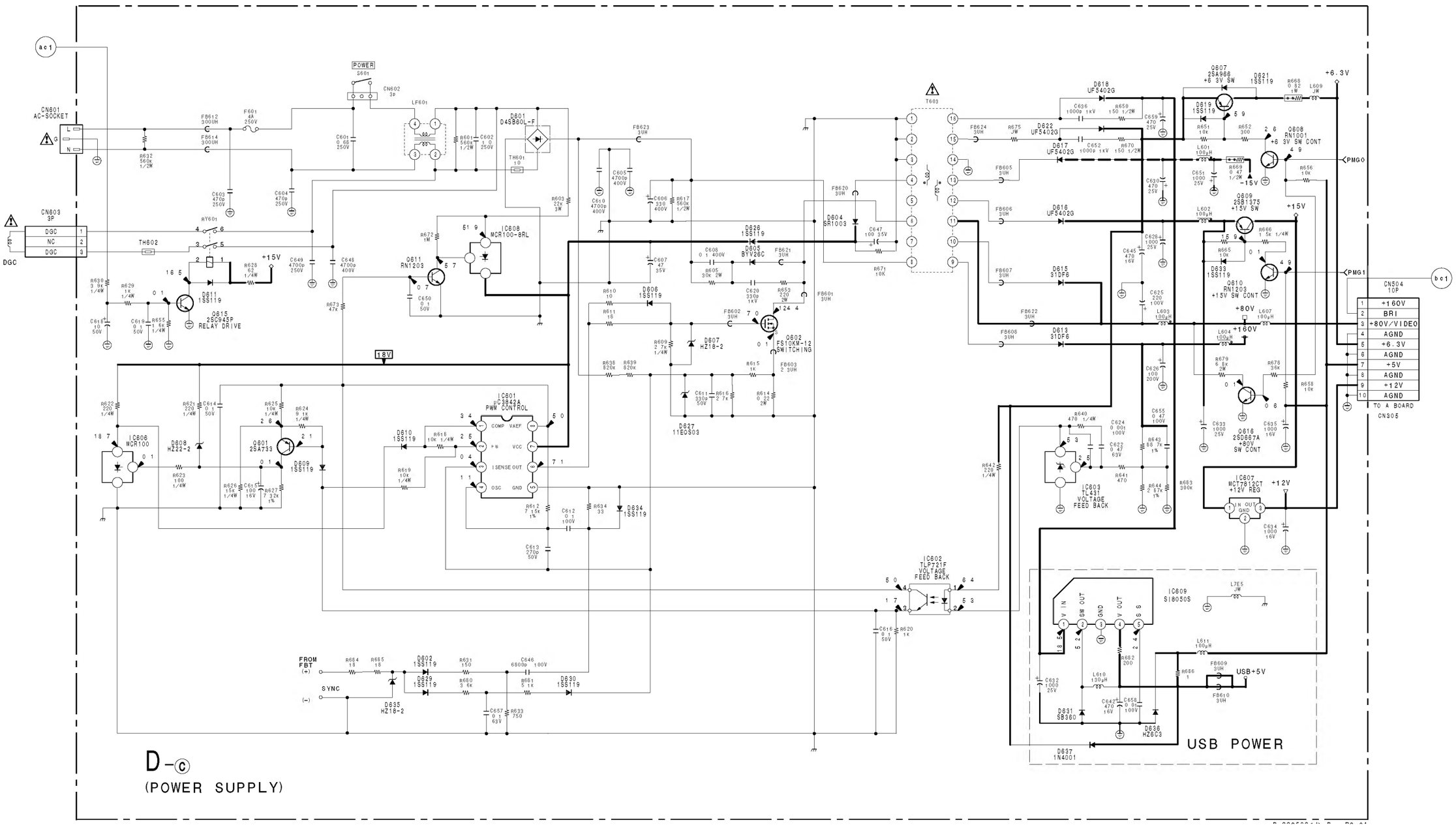
PUP0
PORT 0
L7B7 0.45μH
L7B8 0.45μH
R7C5 18 1/4W
R7C4 18 1/4W
L7E1 JW
L7D9 JW
R7D5 1.5k 1/4W
+3.3V
L7E5 JW
L7A8 1μH
C7C2 0.1
C7C1 0.1
P3
M3
R7D9 1k
R7D8 1k
RN8A1 15K
L7C3 1μH
L7C2 1μH
IC7A1 ISP1122NB USB CONTROLLER
+3.3V
L7C1 2.3μH
L7E4 2.3μH
L7B1 1μH
P2
L7C9 1μH
M2
L7C8 1μH
P1
L7C7 1μH
M1
C7C5 220 10V
USB+5V
L7C4 3T
C7A2 220 10V
R7B4 1M
R7B3 1M
R7C8 3.3k
R7C9 JW
C7B3 3.3
R7H1 3.3k
R7A2 100k
C7B1 22p
C7B2 22p
X7A1 6MHz
R7A1 100k
L7D5 2.3μH
D7A1 MTZJ5.1A
R7D4 1M
RN8A2 15K
L7C5 1μH
L7C6 1μH
M4
P4
MAIN GND
L7E3 2.3μH
USB GND
R7E5 10k
R7E9 10k
R7A5 10k
R7A4 10k
L7D3 2.3μH
IC7A3 MIC2526 POWER DISTRIBUTION SWITCH
ENA OUTA
FLGA IN
FLGB GND
ENB OUTB
P8D1 8P
1 V2
2 V1
3 P2
4 M2
5 P1
6 M1
7 D_GND
8 NC
TO U1 BOARD P7D1
R7E7 10k
R7E6 10k
R7D7 10k
R7D6 10k
IC7A4 MIC2526 POWER DISTRIBUTION SWITCH
R7E2 1k
R7E1 1k
C7C4 0.1
C7C3 0.1
P8D2 7P
1 P3
2 M3
3 D_GND
4 V4
5 V3
6 M4
7 P4
TO U2 BOARD P7D2

(3) Schematic Diagram of D (ⓐ-ⓒ) / D (USB) Boards



D-ⓑ
(DEFLECTION)

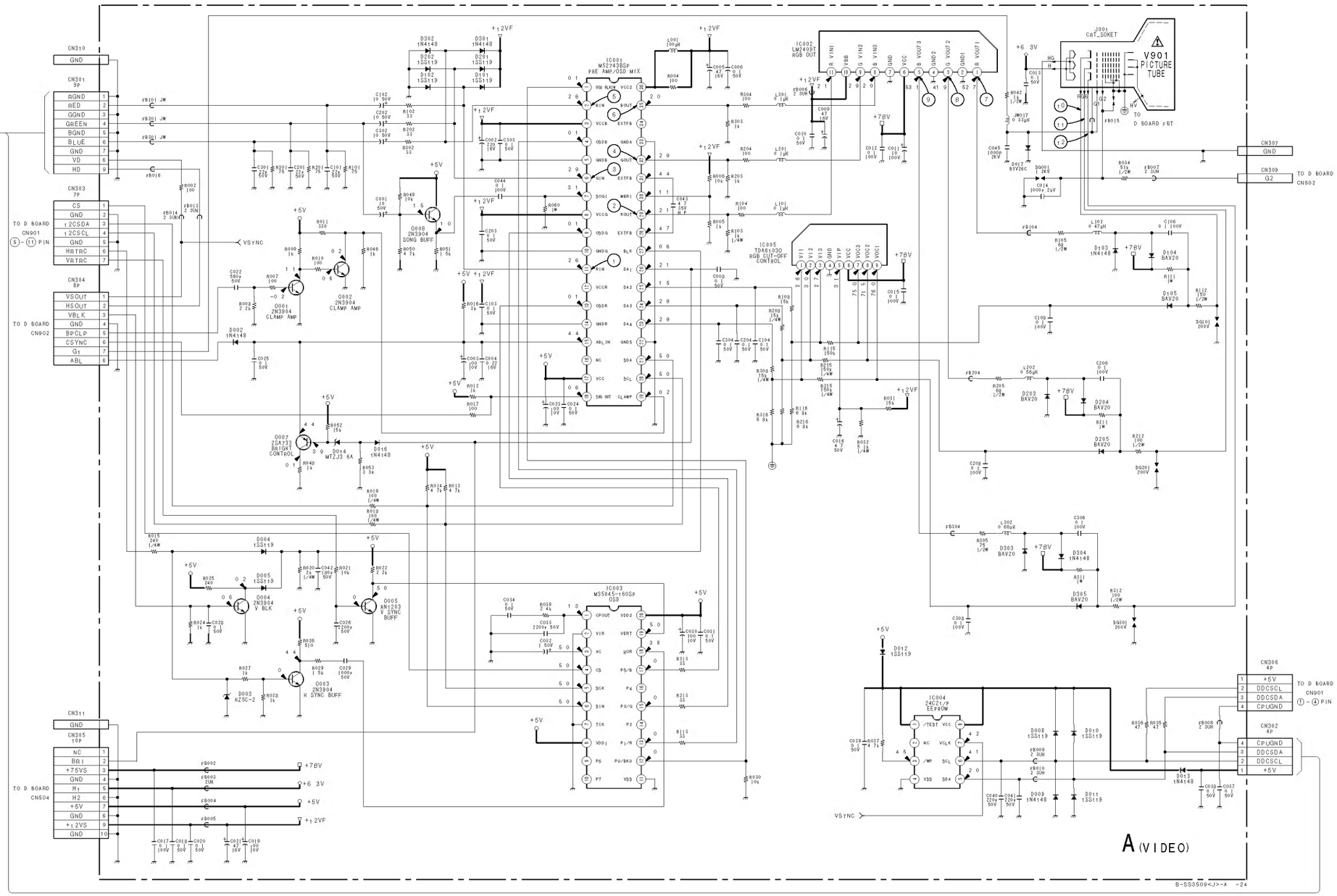
V DY+
V DY-
H-DRIVER
CS1
CS2
CS3
ABL
HV ADJ
+12V
+7V
+5V
+80V
+160V
H V
H DY
V DY
H DY+
H DY-
V DY+
V DY-
CN501 6P
Q501 2SJ307 SWITCHING
Q502 FS10KM-6 H DRIVE OUT
Q503 2SC5587 H OUT
Q504 FS10SM-16A EHT GENERATOR
Q505 2SC945 S-CAP CHANGE
Q506 IRF634A S-CAP CHANGE
Q507 IRF634A S-CAP CHANGE
Q508 2SC945 S-CAP CHANGE
Q509 2SC945 S-CAP CHANGE
Q511 2SA733 HV REG OUT
Q512 RN1203 BOP CONT
Q513 2SA733 BOP CONT
Q515 2SC945 B DRIVE
Q516 2SA733 B DRIVE
Q517 2SD669A H CENT DRIVE
Q518 2SB649A H CENT DRIVE
Q519 2SC2688 H CENT
Q520 2SC945 H DRIVE
Q521 2SA733 H DRIVE
Q527 2SC3209 H DRIVE
Q528 2SD1640O H DRIVE
Q530 2SC2688 DF AMP
Q531 KSP92
Q532 2SA733
Q533 2SA733 ABL CONT
Q534 RN1203 SW
Q535 RN1001
IC502 (1/2) LM393N
IC502 (2/2) LM393N
IC503 (1/2) LM358N
IC503 (2/2) LM358N
D501 PS104R
D502 MTZJ15A
D503 ER304
D504 1SS119
D505 PS104R
D506 1SS119
D507 EG01B
D508 BY459F
D509 MTZJ9 1C
D510 MTZJ5 1A
D511 PS104R
D512 PS104R
D513 BYV26C
D514 PS104R
D515 1SS119
D516 1SS119
D517 1SS119
D518 2SA733
D521 PS104R
D522 PG104R
D526 PS104R
D527 1SS119
D528 ER304
D529 PG104R
D530 1SS119
D531 RGP10M
D592 1SS119
D5K1 HZS81
L501 FBT
L502 100μH
L503 10mH
L504 10mH
L505
L506 10mH
L507 1.2mH
L508 10μH
T501 FBT
T502
T503
T504
ZD501 1M160Z
to FBT (-180V)
to A BOARD CN309
to PICTURE TUBE
B-SS3509<J>-D -P2-24



D-ⓒ

(POWER SUPPLY)

(2) Schematic Diagram of A Board



d